

Prepared for:

Sivan CBD

PO Box 378

Point Lookout, NY USA 11569

Sivan Pain Cream

Batch ID or Lot Number: 18506-01	Test, Test ID and Methods: Various	Matrix: Topical	Page 1 of 5
Reported: 09Nov2022	Started: 09Nov2022	Received: 08Nov2022	


**Residual Solvents -
Colorado Compliance**

Test ID: T000227128


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	86 - 1721	ND	
Butanes (Isobutane, n-Butane)	171 - 3411	ND	
Methanol	57 - 1150	ND	
Pentane	96 - 1921	ND	
Ethanol	95 - 1897	>1897	
Acetone	97 - 1945	ND	
Isopropyl Alcohol	105 - 2092	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	99 - 1985	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	101 - 2014	ND	
Toluene	17 - 349	ND	
Xylenes (m,p,o-Xylenes)	127 - 2549	ND	

Final Approval


Sam Smith
09Nov2022
01:56:00 PM MST

PREPARED BY / DATE


Karen Winternheimer
09Nov2022
01:57:00 PM MST

APPROVED BY / DATE

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Heavy Metals - Colorado Compliance


Test ID: T000227127

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 3.65	ND	
Cadmium	0.04 - 3.56	ND	
Mercury	0.03 - 3.42	ND	
Lead	0.03 - 3.43	ND	

Final Approval


 Sam Smith
 10Nov2022
 03:50:00 PM MST
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 Karen Winternheimer
 10Nov2022
 04:12:00 PM MST
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Pesticides


Test ID: T000227125

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	257 - 2735	ND		Malathion	284 - 2744	ND
Acephate	40 - 2786	ND		Metalaxyl	40 - 2747	ND
Acetamiprid	37 - 2747	ND		Methiocarb	39 - 2742	ND
Azoxystrobin	41 - 2744	ND		Methomyl	36 - 2758	ND
Bifenazate	41 - 2713	ND		MGK 264 1	164 - 1614	ND
Boscalid	33 - 2752	ND		MGK 264 2	104 - 1124	ND
Carbaryl	38 - 2723	ND		Myclobutanil	13 - 2760	ND
Carbofuran	40 - 2722	ND		Naled	53 - 2773	ND
Chlorantraniliprole	43 - 2728	ND		Oxamyl	36 - 2749	ND
Chlorpyrifos	41 - 2741	ND		Paclobutrazol	41 - 2698	ND
Clofentezine	270 - 2744	ND		Permethrin	276 - 2738	ND
Diazinon	281 - 2758	ND		Phosmet	42 - 2720	ND
Dichlorvos	281 - 2794	ND		Prophos	274 - 2715	ND
Dimethoate	38 - 2745	ND		Propoxur	40 - 2729	ND
E-Fenpyroximate	272 - 2716	ND		Pyridaben	281 - 2684	ND
Etofenprox	40 - 2720	ND		Spinosad A	32 - 2240	ND
Etoxazole	284 - 2705	ND		Spinosad D	46 - 482	ND
Fenoxycarb	41 - 2740	ND		Spiromesifen	257 - 2742	ND
Fipronil	31 - 2850	ND		Spirotetramat	265 - 2801	ND
Fonicamid	42 - 2776	ND		Spiroxamine 1	18 - 1151	ND
Fludioxonil	298 - 2755	ND		Spiroxamine 2	22 - 1568	ND
Hexythiazox	41 - 2735	ND		Tebuconazole	279 - 2707	ND
Imazalil	265 - 2771	ND		Thiacloprid	40 - 2733	ND
Imidacloprid	43 - 2732	ND		Thiamethoxam	36 - 2764	ND
Kresoxim-methyl	42 - 2789	ND		Trifloxystrobin	42 - 2750	ND

Final Approval


 Karen Winternheimer
 10Nov2022
 12:28:00 PM MST
 PREPARED BY / DATE


 Sam Smith
 10Nov2022
 12:30:00 PM MST
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Cannabinoids


Test ID: T000227124

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	21.779	62.532	222.760	2.20	# of Servings = 1, Sample Weight=100g
Cannabichromenic Acid (CBCA)	19.920	57.196	ND	ND	
Cannabidiol (CBD)	50.970	164.739	543.010	5.40	
Cannabidiolic Acid (CBDA)	52.277	168.965	ND	ND	
Cannabidivarin (CBDV)	12.055	38.962	ND	ND	
Cannabidivarinic Acid (CBDVA)	21.807	70.484	ND	ND	
Cannabigerol (CBG)	12.365	35.504	204.360	2.00	
Cannabigerolic Acid (CBGA)	51.692	148.420	ND	ND	
Cannabinol (CBN)	16.132	46.318	157.400	1.60	
Cannabinolic Acid (CBNA)	35.268	101.262	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	61.583	176.821	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	55.929	160.585	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	49.553	142.279	ND	ND	
Tetrahydrocannabivarin (THCV)	11.247	32.294	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	43.708	125.496	ND	ND	
Total Cannabinoids			1127.530	11.20	
Total Potential THC			ND	ND	
Total Potential CBD			543.010	5.40	

Final Approval


 Karen Winternheimer
 10Nov2022
 02:16:00 PM MST
 PREPARED BY / DATE


 Sam Smith
 10Nov2022
 02:18:00 PM MST
 APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000227126

Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Eden Thompson-Wright
11Nov2022
09:10:00 AM MST

PREPARED BY / DATE



Brett Hudson
11Nov2022
09:32:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/86188a74-2e59-4ff0-8833-4242668a4966>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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